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SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

OIL, GAS, AND MINING BOARD

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Chairman

JOHN L. BELL
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THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE MCINTYRE

July 28, 1980

Mr. Robert Steele
1075 North 400 East
Nephi, Utah 84648

RE: Interstate Brick Company
Koosharem Clay Pit
ACT/031/002
Piute County, Utah

Dear Mr. Steele:

After review of the Koosharem Clay Pit mining and reclamation plan, the Division finds that the following information is still required.

1. Results of analysis of representative soil samples, including a sodium absorption ratio and standard fertility test.
2. Item 11 on page 2 of the MR Form 2 requires a more detailed description of the procedures, including grading and regrading and typical cross sections.
- ✓ 3. The seed mixture rates for revegetation of the disturbed surface areas should be doubled, and either supplemented with seeds of approved shrubs or seedlings planted in the spring.
- ✓ 4. A commitment to establish revegetation test plots on a disturbed area which will no longer be used would be advisable to determine techniques and procedures to be utilized during reclamation.

Mr. Robert Steele
July 28, 1980
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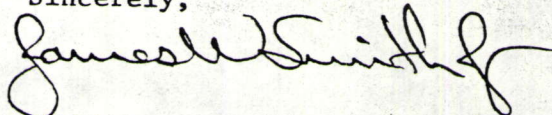
- ✓5. The use of fertilizer and mulch should not be discounted as an aid during the revegetation process, and a commitment to reseed the revegetated areas, if necessary, prior to surety release should be made.
6. An air photo, when available, or an upgraded map of the area is also requested.
7. The areas to be used for storage of topsoil, overburden waste, and clay should be located in such a manner as to protect existing topsoil and vegetation and not contribute to erosion and sedimentation.
- ✓8. Topsoil stockpiles should be revegetated with quick-growing perennial grasses if the topsoil is not going to be immediately redistributed.

The reclamation surety has been estimated to be \$23,022.00 for a 15.25 acre surface disturbance during a 10 year mine life, including a 13 percent annual inflation rate. A copy of the estimate, which is enclosed, has been sent to Mr. Harvey Cahoon.

A tentative approval notice and an abbreviated version of Interstate Brick Company's Koosharem Clay Pit mining and reclamation plan will be published to solicit public comment during a required 30 day waiting period. Upon submission of the required additional information, no adverse public comments being received, and Interstate Brick Company posting the required reclamation surety, the Division may grant final approval and work may lawfully proceed.

If you have any questions regarding this matter, please don't hesitate to call.

Sincerely,



JAMES W. SMITH, JR.
COORDINATOR OF MINE LAND DEVELOPMENT

JWS/bh

Enclosure: Surety Estimate

cc: John Blake, Div. of State Lands
Harvey P. Cahoon, Interstate Brick Company

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July 28, 1980

Mr. Harvey P. Cahoon,
Assistant General Manager
Interstate Brick Company
9210 South 5200 West
West Jordan, Utah 84084

RE: Interstate Brick Co.
Koosharem Clay Pit
ACT/031/002
Piute County, Utah

Dear Mr. Cahoon:

Please find enclosed a copy of the reclamation surety estimate for the Koosharem Clay Pit which the Board approved during its July 22, 1980 meeting. If the amount is acceptable to Interstate Brick Company, please complete and submit to the Division, the preferrable form of surety. These forms have also been enclosed.

The bond form of surety (MR Form 5) is to be for the entire amount of \$23,022.00. The escrow agreement is to have an initial minimum deposit of \$4,604.40 with the balance to be paid in equal monthly, or annual, installments so that the entire amount is contained in the account by September 1, 1984. Minor modifications in the escrow agreement may be made to reflect the time frame for the deposits. Along with the completed form, please send a notarial acknowledgement that the appropriate surety arrangement has been made.

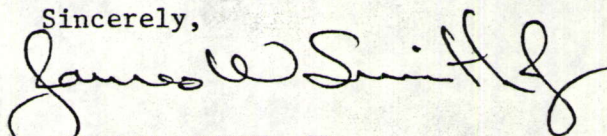
Tentative approval of Interstate Brick Company's Mining and Reclamation Plan for the Koosharem Clay Pit is issued subject to Interstate Brick providing some additional information to the Division as outlined in a letter to Mr. Robert Steele dated July 28, 1980.

Mr. Harvey P. Cahoon
July 28, 1980
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An abbreviated version of the Mining and Reclamation Plan will be published to solicit public comment during a required thirty day waiting period. As soon as the surety arrangement has been completed, the additional information is furnished, and the publishing period has ended, final approval may be granted.

If you have any questions please feel free to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "James W. Smith, Jr.", with a stylized flourish at the end.

JAMES W. SMITH, JR.
COORDINATOR OF MINE LAND DEVELOPMENT

JWS/bh

Enclosures: Surety Estimate
Bond Form
Escrow Agreement Form

cc: Mr. John Blake, Div. of State Lands

DIVISION OF OIL, GAS, AND MINING
BOND ESTIMATE

OPERATOR: Interstate Brick
MINE NAME: Koosharem ACT/031/002
LOCATION: Section 2, Township 27 South, Range 2 West
COUNTY: Piute
DATE: July 18, 1980

	Operation	Amount	Rate	Cost
A.	CLEAN-UP			
	1. Removal of structures & equipment.	Lump	Lump	\$ 500.00
	2. Removal of trash & debris.	Included		
	3. Leveling of ancillary facilities pads and access roads.	Included		
B.	REGRADEING & RECONTOURING			
	1. Earthwork including haulage and grading of spoils, waste and overburden.	30 Hours	\$ 85.00/hr	\$ 2,550.00
	2. Recontouring of highwalls and excavations.	Included		
	3. Spreading of soil or surficial materials.	Included		
C.	STABILIZATION			
	1. Soil preparation, scarification, fertilization, etc.	15.25 ac	\$ 175.00/ac	\$ 2,669.00
	2. Seeding or planting.	Included		
	3. Construction of terraces, waterbars, etc.	Included		
D.	LABOR			
	1. Supervision.	30 Hours	\$ 10.00/hr	\$ 300.00
	2. Labor exclusive of bulldozer time.	Included		
E.	SAFETY			
	1. Erection of fences, portal coverings, etc.	Excluded	---	---
	2. Removal or neutralization of explosive or hazardous materials.	Excluded	---	---
F.	MONITORING			
	1. Continuing or periodic monitoring, sampling & testing deemed necessary.	Reseeding 15.25 acres	\$ 50.00/ac	\$ 763.00
G.	OTHER			
	13% Annual Inflation for 10 year mine life. Surety to be reevaluated every 10 years.		Subtotal	\$ 6,782.00
			Inflation	\$16,240.00
			TOTAL	\$23,022.00

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DIVISION OF OIL, GAS, AND MINING

BOND ESTIMATE

OPERATOR: Interstate Brick
 MINE NAME: Kooshareum ACT 1031/002
 LOCATION: Section 2, Township 27 South, Range 2 West
 COUNTY: Piute
 DATE: July 18, 1980 JWS

	Operation	Amount	Rate	Cost
A.	CLEAN-UP			
	1. Removal of structures & equipment.	Lump	Lump	\$500.00
	2. Removal of trash & debris.	Included		
	3. Leveling of ancillary facilities pads and access roads.	Included		
B.	REGRADING & RECONTOURING			
	1. Earthwork including haulage and grading of spoils, waste and overburden.	30 Hours	\$85.00/Hr	\$2550.00
	2. Recontouring of highwalls and excavations.	Included		
	3. Spreading of soil or surficial materials.	Included		
C.	STABILIZATION			
	1. Soil preparation, scarification, fertilization, etc.	15.25 ac	\$175.00/ac	\$2669.00
	2. Seeding or planting.	Included		
	3. Construction of terraces, waterbars, etc.	Included		
D.	LABOR			
	1. Supervision.	30 Hours	\$10.00/hr	\$300.00
	2. Labor exclusive of bulldozer time.	Included		
E.	SAFETY			
	1. Erection of fences, portal coverings, etc.	Excluded	—	—
	2. Removal or neutralization of explosive or hazardous materials.	Excluded	—	—
F.	MONITORING			
	1. Continuing or periodic monitoring, sampling & testing deemed necessary.	Receiving 15.25 acres	\$50.00/ac	\$762.00
G.	OTHER			
	13% Annual Inflation for 10 year mine life. Surety to be reevaluated every 10 years		Subtotal	\$6,782.00
			Inflation	\$16,240.00
			Total	\$23,022.00